

We claim:

1. A voice controller, comprising:

a sound source with a transmitter;

a sound detector detecting a sound signal containing a voice command, said sound detector having a voice recognizer recognizing the voice command, and said sound detector converting the voice command into a corresponding control signal for a voice-controlled apparatus;

a receiver receiving sound information from said transmitter associated with said sound source; and

10 a sound signal processor coupled to said sound detector and said receiver, said sound signal processor correcting the sound signal by eliminating the sound information from the sound signal to produce a corrected sound signal, and
15 supplying the corrected sound signal to said voice recognizer for evaluation.

2. The voice controller according to claim 1, wherein said sound detector, said receiver, said sound signal processor,

and said voice recognizer are disposed in a mobile part provided separately from said voice-controlled apparatus.

3. The voice controller according to claim 2, wherein said voice-controlled apparatus includes a voice-controller receiver, and said mobile part has a transmitter transmitting the corresponding control signal to said voice-controller receiver.

4. The voice controller according to claim 3, wherein said transmitter of said mobile part communicates with said voice-controller receiver via a wireless communication channel.

5. The voice controller according to claim 1, wherein said sound signal processor determines a degree of correlation between the sound signal detected by the sound detector and a sound signal corresponding to the sound information, said sound signal processor determines an acoustic delay between the sound signal detected by the sound detector and a sound signal corresponding to the sound information, and said sound signal processor corrects the sound signal detected by said sound detector while accounting for the acoustic delay.

6. The voice controller according to claim 5, wherein said sound signal processor determines the degree of correlation between the sound signal detected by cross-correlating the sound detector and the sound signal corresponding to the sound information.

7. The voice controller according to claim 5, wherein said sound signal processor subtracts the sound signal corresponding to the sound information from the sound signal detected by the sound detector, while accounting for the determined acoustic delay, to obtain a corrected sound signal to be supplied to the sound signal processor.

8. The voice controller according to claim 1, wherein said sound detector includes a number of microphones that are coupled to one another, the microphones having an acoustic phase shift between them, and said sound detector accounting for the acoustic phase shift present between the number of microphones.

9. The voice controller according to claim 1, including:

a keyboard in said sound detector, said keyboard programming said voice recognizer.

10. The voice controller according to Claim 1, wherein said sound signal processor is associated with a number of sound sources, and said sound signal processor separately corrects for each of the number of sound sources.

11. A voice-controller system, comprising:

a voice-controller including

a sound source with a transmitter;

a sound detector detecting a sound signal containing a voice command, said sound detector having a voice recognizer recognizing the voice command, and said sound detector converting the voice command into a corresponding control signal for a voice-controlled apparatus;

a receiver receiving sound information from a transmitter associated with a sound source; and

a sound signal processor coupled to said sound detector and said receiver, said sound signal processor correcting the sound signal by eliminating the sound information

15 from the sound signal to produce a corrected sound
signal, and supplying the corrected sound signal to said
voice recognizer for evaluation; and

a sound source associated with said transmitter transmitting
the sound information to said receiver of said voice-
20 controller, the sound information in each case describing the
sound signal generated by the sound source.

12. The voice controller system according to claim 11,
wherein said transmitter associated with said sound source
communicates with said receiver associated with said voice-
controller via a wireless communication channel.

13. The voice controller system according to claim 12,
wherein said wireless communication channel is an infrared
channel.

14. The voice controller system according to claim 12,
wherein said wireless communication channel is a radio
channel.

15. The voice controller system according to claim 11,
wherein said voice-controller itself belongs to said sound

source, so that the sound information transmitted by said transmitter to said receiver associated with said voice controller describes the sound signal generated by said voice-
5 controller at that instant.

16. The voice controller system according to claim 11, wherein the voice-controlled apparatus is an item of electronic entertainment equipment.

17. The voice controller system according to claim 11, wherein said sound source is an item of electronic entertainment equipment.